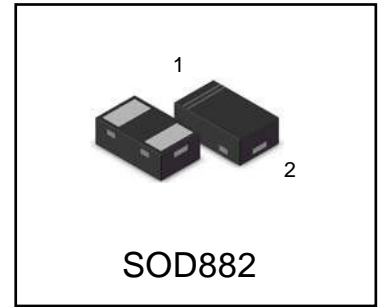


LRB521BS-40T5G

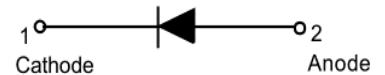
S-LRB521BS-40T5G

Schottky barrier diode



1. FEATURES

- Extremely small surface mounting type. (SOD882)
- Low VF
- High reliability.
- We declare that the material of product compliance with RoHS requirements.
- S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.



2. APPLICATIONS

- Low current rectification

3. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LRB521BS-40T5G	T	10000/Tape&Reel

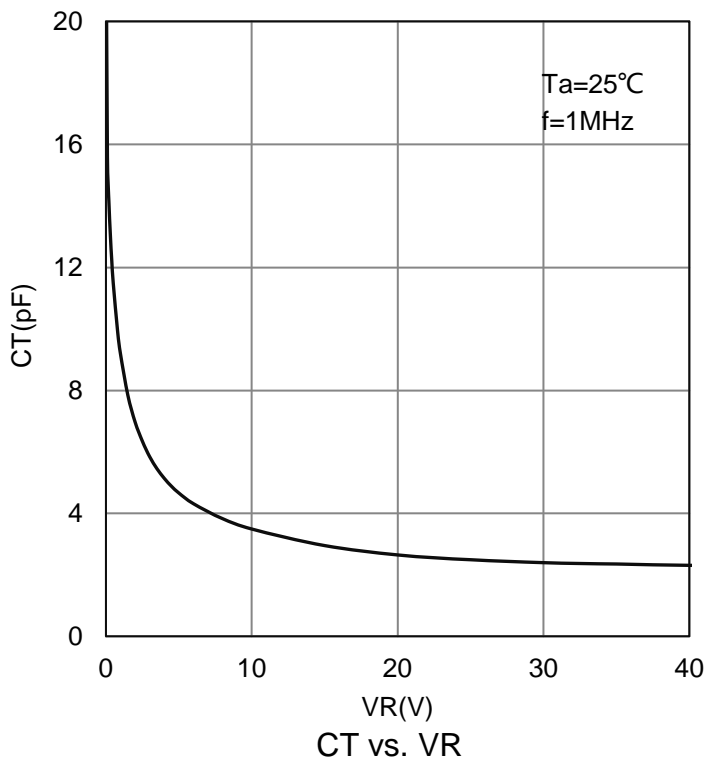
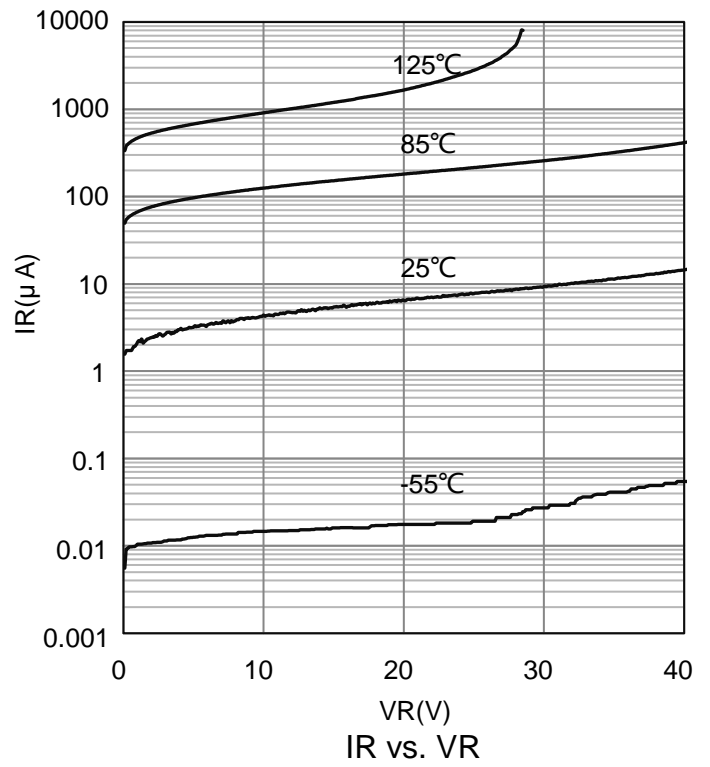
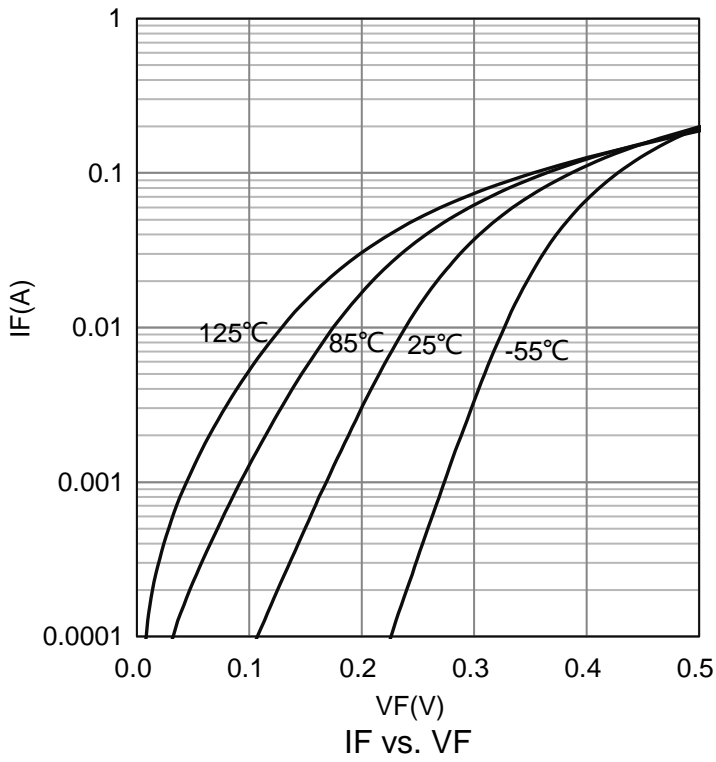
4. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	VR	40	V
Average rectified forward current	Io	200	mA
Forward current surge peak(60Hz 1cyc)	IFSM	500	mA
Junction temperature	Tj	125	°C
Storage Temperature Range	TSTG	-40~+125	°C

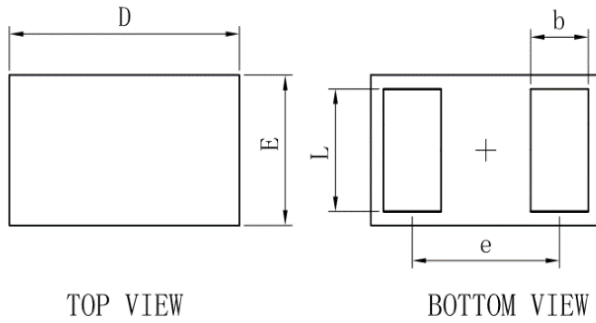
5. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF =10mA)	VF			0.35	V
(IF =20mA)				0.4	
Reverse current (VR =10V)	IR			10	μA

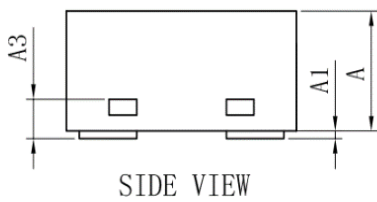
6. ELECTRICAL CHARACTERISTICS CURVES



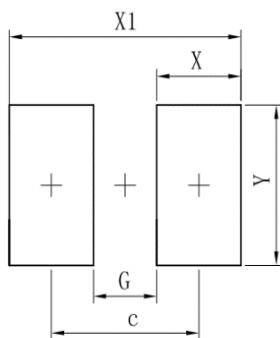
7. OUTLINE AND DIMENSIONS



SOD882			
Dim	Min	Typ.	Max
D	0.95	1.00	1.05
E	0.55	0.60	0.65
e	-	0.64	-
L	0.44	0.49	0.54
b	0.20	0.25	0.30
A	0.43	0.48	0.53
A1	0	-	0.05
A3	0.127REF.		
All Dimensions in mm			



8. SOLDERING FOOTPRINT



Dimensions	(mm)
c	0.70
G	0.30
X	0.40
X1	1.10
Y	0.70

DISCLAIMER

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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- All information contained in this document is current as of the issuing date and subject to change without any prior notice. Before purchasing or using LRC's Products, please confirm the latest information with a LRC sales representative.